

## SEARCH REQUEST FORM

## Scientific and Technical Information Center

08/26/02

Requester's Full Name: John Doe Examiner #: 12345 Date: 08/26/02  
 Art Unit: 1012 Phone Number 30 12345678 Serial Number: 04/7745678  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:	_____	NA Sequence (#)	STN _____
Searcher Phone #:	_____	AA Sequence (#)	Dialog _____
Searcher Location:	_____	Structure (#)	Questel/Orbit _____
Date Searcher Picked Up:	_____	Bibliographic	Dr. Link _____
Date Completed:	_____	Litigation	Lexis/Nexis _____
Searcher Prep & Review Time:	_____	Fulltext	Sequence Systems _____
Clerical Prep Time:	_____	Patent Family	WWW/Internet _____
Online Time:	_____	Other	Other (specify) _____

3/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
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14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 276>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applie (No,Kind,Date): AU 9335520 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;  
H04N-005/455; H04L-027/34; G11B-020/12  
Language of Document: English  
Patent (No,Kind,Date): AU 9459052 A1 19941020  
COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applie (No,Kind,Date): AU 9459052 A 19940325  
IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;  
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
Derwent WPI Acc No: ; G 94-342258  
Language of Document: English  
Patent (No,Kind,Date): AU 655539 B2 19941222  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applie (No,Kind,Date): AU 9335520 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;  
H04N-005/455; H04L-027/34; G11B-020/12  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): AU 660123 B2 19950608  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924  
Applie (No,Kind,Date): AU 9459052 A 19940325  
IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;  
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applie (No,Kind,Date): CA 2092495 A 19930325  
IPC: \* H04B-007/24; H04N-005/76; H04N-009/80  
Language of Document: English  
Patent (No,Kind,Date): CA 2106919 AA 19940326  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): CA 2106919 A 19930924  
IPC: \* H04J-004/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): CA 2113842 AA 19940722  
RECORDING AND REPRODUCING APPARATUS (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2113842 A 19940119  
IPC: \* G11B-007/24; G11B-007/125; G11B-005/10  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2113877 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2113877 A 19940120  
IPC: \* G11B-007/24; G11B-007/26  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2119983 AA 19940926  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applc (No,Kind,Date): CA 2119983 A 19940325  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 94-103292  
Language of Document: English  
Patent (No,Kind,Date): CA 2226398 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2226398 A 19940120  
IPC: \* G11B-007/00; G11B-007/28  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209  
DIGITAL COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723  
Applc (No,Kind,Date): CN 92102955 A 19920327  
IPC: \* H04B-001/00; H04N-007/13  
Derwent WPI Acc No: \* G 92-325674

Language of Document: Chinese  
Patent (No,Kind,Date): CN 1075024 A 19930804  
RECORDING/REPRODUCING EQUIPMENT (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A 19920925  
Applie (No,Kind,Date): CN 93100918 A 19930128  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1076816 A 19930929  
SYSTEM OF COMMUNICATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): TAISHIMA MITSUTERU (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A 19920925  
Applie (No,Kind,Date): CN 93102721 A 19930325  
IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1085680 A 19940420  
RECORD REPLAYING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applie (No,Kind,Date): CN 93105219 A 19930326  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1096389 A 19941214  
RECORDING AND REPRODUCING APPS. (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119  
Applie (No,Kind,Date): CN 94101055 A 19940121  
IPC: \* G11B-011/12  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1098810 A 19950215  
APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND MANUFACTURE OF SAME (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119  
Applie (No,Kind,Date): CN 94101336 A 19940121  
IPC: \* G11B-007/24; G11B-011/12  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1099544 A 19950301  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A 19930924

Applie (No,Kind,Date): CN 94103352 A 19940325  
IPC: \* H04N-007/08; H04L-027/32  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1119895 A 19960403  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A  
19941202  
Applie (No,Kind,Date): CN 94191566 A 19941228  
Derwent WPI Acc No: \* G 95-246541  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1127049 A 19960717  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A  
19941117  
Applie (No,Kind,Date): CN 95190313 A 19950418  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1138915 A 19961225  
MARKING GENERATING APPS., METHOD OF FORMING LASER MARKING ON OPTICAL  
DISK, REPRODUCING APPS., OPTICAL DISK AND OPTICAL DISK PRODUCING  
METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202  
Applie (No,Kind,Date): CN 95191218 A 19951116  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1166223 A 19971126  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI  
TANAKA (JP)  
Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): CN 96191182 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1173942 A 19980218  
OPTICAL DISK, OPTICAL RECODER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHOO GOTOH (JP);  
SHINICHI TANAKA (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applie (No,Kind,Date): CN 96191826 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1250278 A 20000412

TELECOMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUTERU DAIJIMA (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
Applie (No,Kind,Date): CN 99108470 A 19990616  
IPC: \* H04J-001/00; H04L-027/00; H04N-011/24  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1032099 B 19960619  
SYSTEM OF COMMUNICATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): TAISHIMA MITSUTERU (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): CN 93102721 A 19930325  
IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1036952 B 19980107  
RECORD REPLAYING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); MICHIRO TANAKA (JP); RYOSUKE SHIMIZU (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applie (No,Kind,Date): CN 93105219 A 19930326  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1045036 B 19990908  
TRANSMISSION APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723; JP 91155650 A 19910529; JP 9195813 A 19910425  
Applie (No,Kind,Date): CN 92102955 A 19920327  
IPC: \* H04B-001/00; H04N-007/13  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: Chinese

#### GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 CO 19980129  
SIGNALUEBERTRAGUNGSSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): DE 69223541 A 19920326  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: German  
Patent (No,Kind,Date): DE 69426795 CO 20010412  
AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): DE 69426795 A 19940727  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
01-018026  
Language of Document: German  
Patent (No,Kind,Date): DE 69610859 CO 20001207  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69610859 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69610860 CO 20001207  
OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICHKODES TRAEGT  
(German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69610860 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69610861 CO 20001207  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69610861 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69611906 CO 20010405  
OPTISCHE PLATTE MIT STRICHKODE (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; WO 96JP1303 W 19960515  
Applic (No,Kind,Date): DE 69611906 A 19960515  
IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;  
G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69613010 CO 20010628  
OPTISCHES AUFZEICHNUNGSGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69613010 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German  
Patent (No,Kind,Date): DE 69613011 CO 20010628  
OPTISCHES AUFZEICHNUNGSGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69613011 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69223541 T2 19980409  
SIGNALUEBERTRAGUNGSSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): DE 69223541 A 19920326  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: German  
Patent (No,Kind,Date): DE 69610859 T2 20010315  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69610859 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69610860 T2 20010315  
OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICHKODES TRAEKT (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69610860 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69610861 T2 20010315  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69610861 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69611906 T2 20010621  
OPTISCHE PLATTE MIT STRICHKODE (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; WO 96JP1303 W 19960515  
Applc (No,Kind,Date): DE 69611906 A 19960515  
IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;  
G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
DE 69223541 P 19980129 DE REF CORRESPONDS TO (ENTSPRICH)

DE 69223541 EP 506400 P 19980129  
P 19980409 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
DE 69223541 P 19990121 DE 8364 NO OPPOSITION DURING TERM OF  
OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE  
DASS EINSPRUCH ERHOBEN WURDE)  
DE 69426795 P 20010412 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69610859 EP 637016 P 20010412  
P 20001207 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69610859 EP 1003162 P 20001207  
P 20010315 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
DE 69610860 P 20001207 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69610860 EP 1005034 P 20001207  
P 20010315 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
DE 69610861 P 20001207 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69610861 EP 1005035 P 20001207  
P 20010315 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
DE 69611906 P 20010405 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69611906 EP 807929 P 20010405  
P 20010621 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
DE 69613010 P 20010628 DE REF CORRESPONDS TO (ENTSPRICH)  
DE 69613011 EP 1005026 P 20010628  
P 20010628 DE REF CORRESPONDS TO (ENTSPRICH)  
EP 1005027 P 20010628

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929  
MULTIRESOLUTION QAM SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 93302369 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13  
Derwent WPI Acc No: ; G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): EP 617531 A1 19940928  
MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
Applie (No,Kind,Date): EP 94302149 A 19940324  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G 94-311606  
Language of Document: English  
Patent (No,Kind,Date): EP 689200 A1 19951227  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINA L DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)  
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
Applie (No,Kind,Date): EP 95904033 A 19941228  
Designated States: (National) DE; FR; GB; IT  
IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 706174 A1 19960410  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203  
Applie (No,Kind,Date): EP 95915345 A 19950418  
Designated States: (National) DE; FR; GB; NL  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 741382 A1 19961106  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applie (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 802527 A1 19971022  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)

Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applie (No,Kind,Date): EP 96932845 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 807929 A1 19971119  
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK  
REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR  
OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French;  
German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123

Applie (No,Kind,Date): EP 96915172 A 19960515

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 971345 A1 20000112  
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE  
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING  
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR  
RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK  
RECORDING DEVICE (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA  
SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH  
YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);  
MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A  
19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applie (No,Kind,Date): EP 97949124 A 19971217

Designated States: (National) DE; FR; GB; IT; NL

IPC: \* G11B-011/10; G11B-007/00; G06F-012/14

Derwent WPI Acc No: \* G 98-363034

Language of Document: English

Patent (No,Kind,Date): EP 973335 A1 20000119  
SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317

Applie (No,Kind,Date): EP 99119278 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731; G 00-108239

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975168 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): EP 99119266 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184726

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975169 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): EP 99121006 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184727

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975170 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): EP 99121007 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184728

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975171 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): EP 99121008 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-118426

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975172 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121024 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731; G 00-184729  
JAPIO Reference No: \* 180152E000002  
Language of Document: English

Patent (No,Kind,Date): EP 975173 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317

Applic (No,Kind,Date): EP 99121025 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731; G 00-184730  
JAPIO Reference No: \* 180152E000002  
Language of Document: English

Patent (No,Kind,Date): EP 975174 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317

Applic (No,Kind,Date): EP 99121026 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English

Patent (No,Kind,Date): EP 1003162 A1 20000524  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1005023 A1 20000531  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED  
INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102965 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English  
Patent (No,Kind,Date): EP 1005024 A1 20000531  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): EP 2000102966 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005025 A1 20000531  
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): EP 2000102967 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005026 A1 20000531  
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): EP 2000102968 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005027 A1 20000531  
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): EP 2000102969 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005028 A1 20000531  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102971 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005033 A1 20000531  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000101774 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005034 A1 20000531  
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000101775 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005035 A1 20000531  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000104818 A 19960515  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006516 A1 20000607  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000105014 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006517 A1 20000607  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000106447 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1024478 A1 20000802  
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): EP 2000102970 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1028422 A1 20000816  
AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000109898 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1028423 A1 20000816  
AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000109899 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1030297 A1 20000823  
AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000110461 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

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Patent (No,Kind,Date): EP 1031974 A1 20000830  
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000112310 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1049334 A1 20001102  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): EP 2000114691 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04L-027/34; H04N-007/04  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 506400 A2 19920930  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/13; H04N-007/04  
Derwent WPI Acc No: ; G 92-325674  
Language of Document: English  
Patent (No,Kind,Date): EP 555031 A2 19930811  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925  
Applie (No,Kind,Date): EP 93300695 A 19930129  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-013/04  
Derwent WPI Acc No: ; G 93-251292  
Language of Document: English  
Patent (No,Kind,Date): EP 564187 A2 19931006  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)  
Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A 19930121  
Applie (No,Kind,Date): EP 93302365 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04  
Derwent WPI Acc No: ; G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): EP 589709 A2 19940330  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 93307575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): EP 608126 A2 19940727  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300403 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-023/44  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; C 94-236841  
Language of Document: English  
Patent (No,Kind,Date): EP 609013 A2 19940803  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300402 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G 94-242360  
Language of Document: English  
Patent (No,Kind,Date): EP 609617 A2 19940810  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201  
Applic (No,Kind,Date): EP 93309619 A 19931201  
Designated States: (National) BE; DE; FR; GB; NL  
IPC: \* G06F-001/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 A2 19950201  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A

19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026; G 95-116722  
Language of Document: English  
Patent (No,Kind,Date): EP 766478 A2 19970402  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 833319 A2 19980401  
DISC-SHAPED RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 97118775 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 844611 A2 19980527  
OPTICAL DISK (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 98100524 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 844612 A2 19980527  
APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 98100525 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A2 20000913  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applie (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applie (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44  
Derwent WPI Acc No: ; G 01-063437  
Language of Document: English  
Patent (No,Kind,Date): EP 1035695 A2 20000913  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applie (No,Kind,Date): EP 2000114575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24  
Derwent WPI Acc No: ; G 01-063438  
Language of Document: English  
Patent (No,Kind,Date): EP 1035696 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applie (No,Kind,Date): EP 2000114577 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24  
Derwent WPI Acc No: ; G 01-063439  
Language of Document: English  
Patent (No,Kind,Date): EP 1035697 A2 20000913  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): EP 2000114578 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24  
Derwent WPI Acc No: ; G 01-063440  
Language of Document: English  
Patent (No,Kind,Date): EP 1035698 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114579 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24  
Derwent WPI Acc No: ; G 01-063441  
Language of Document: English  
Patent (No,Kind,Date): EP 1039672 A2 20000927  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114576 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 00-589072  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039673 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114689 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 00-589073  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039674 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114690 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G

00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 00-589074  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039675 A2 20000927  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Aplic (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 00-589075  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039676 A2 20000927  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Aplic (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 00-589076  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039677 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Aplic (No,Kind,Date): EP 2000114696 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 00-589077  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039678 A2 20000927  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Aplic (No,Kind,Date): EP 2000114697 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;

IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580985  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039679 A2 20000927  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114698 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580978  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039680 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114699 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580986  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039681 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114701 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580987  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039682 A2 20000927

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114702 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 00-580988

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1045541 A2 20001018

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114700 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049282 A2 20001102

MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;  
German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114574 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049283 A2 20001102

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114693 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G

00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1049284 A2 20001102  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114695 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1050879 A2 20001108  
RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF  
INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A  
19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 2000115017 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02  
; G11B-023/28  
Derwent WPI Acc No: ; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 506400 A3 19930526  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317  
Applic (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/13; H04N-007/04  
Derwent WPI Acc No: \* G 92-325674  
Language of Document: English  
Patent (No,Kind,Date): EP 555031 A3 19951115  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A  
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP  
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A  
19920925  
Applic (No,Kind,Date): EP 93300695 A 19930129  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-013/04  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): EP 564187 A3 19951206  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211

Applic (No,Kind,Date): EP 93302365 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): EP 589709 A3 19940928

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 93307575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 608126 A3 19951129

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): EP 94300403 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/04; G11B-023/44

Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 609013 A3 19951129

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): EP 94300402 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36

Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 609617 A3 19961211

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201  
Applc (No,Kind,Date): EP 93309619 A 19931201  
Designated States: (National) BE; DE; FR; GB; NL  
IPC: \* G06F-001/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 A3 19950830  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 766478 A3 20000119  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G

94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035695 A3 20001206

MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035696 A3 20001206

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114577 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035697 A3 20001206

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114578 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035698 A3 20001206

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38

; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039672 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): EP 2000114576 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039673 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114689 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039674 A3 20001206  
MULTIRESOLTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114690 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039675 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039676 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039677 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114696 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039678 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114697 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039679 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114698 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039680 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER MODULATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114699 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039681 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114701 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039682 A3 20001206

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114702 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1045541 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114700 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049282 A3 20001206

MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114574 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049283 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114693 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049284 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A

19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114695 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 689200 A4 19960529  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)  
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A  
19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP  
94156089 A 19940707; JP 94299508 A 19941202  
Applie (No,Kind,Date): EP 95904033 A 19941228  
Designated States: (National) DE; FR; GB; IT  
IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;  
G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 706174 A4 19970702  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203  
Applie (No,Kind,Date): EP 95915345 A 19950418  
Designated States: (National) DE; FR; GB; NL  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 741382 A4 19970702  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK  
PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A  
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applie (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 802527 A4 19971210  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)

Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 96932845 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 A4 19971210  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English; French; German  
Patent (No,Kind,Date): EP 506400 B1 19971217  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 B1 20010307  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 B1 20010228  
OPTICAL DISK PROVIDED WITH BAR CODE (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10; G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1003162 B1 20001102  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000103257 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005024 B1 20010530  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102966 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005026 B1 20010523  
OPTICAL RECORDER (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102968 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005027 B1 20010523  
OPTICAL RECORDER (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102969 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005034 B1 20001102  
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000101775 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005035 B1 20001102  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000104818 A 19960515  
Designated States: (National) DE; FR; GB

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

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Legal Status (No,Type,Date,Code,Text):

EP 506400	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 506400	P	19910425	JP 9162798 A	19910327 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 506400	P	19910529	JP 9195813 A	19910425 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 506400	P	19910723	JP 91155650 A	19910529 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 506400	P	19920317	JP 91182236 A	19910723 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 506400	P	19920326	JP 9260739 A	19920317 EP-AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 506400	P	19920326	EP 92302627 A	19920326
EP 506400	P	19920930	DE FR GB NL	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
EP 506400	P	19920930	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 506400	P	19930526	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
EP 506400	P	19930526	DE FR GB NL	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDerte VERÖFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 506400	P	19940112	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931117
EP 506400	P	19960110	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 951127
EP 506400	P	19970402	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 766478 P
EP 506400	P	19971217	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN VERTRAGSSTAATEN)
EP 506400	P	19971217	DE FR GB NL	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 506400	P	19971217	EP DX	MISCELLANEOUS: (DELETED) (DIVERSES: (GELOESCHT))
EP 506400	P	19980129	EP REF	CORRESPONDS TO: (ENTSPRICHT)

		DE 69223541 P 19980129
EP 506400	P	19980320 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 506400	P	19981209 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 506400	P	20000119 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 973335 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975168 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975169 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975170 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975171 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975172 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975173 P
EP 506400	P	20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 975174 P
EP 506400	P	20001102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1049334 P
EP 555031	P	19920129 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9213809 A 19920129
EP 555031	P	19920228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9242558 A 19920228
EP 555031	P	19920309 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9250328 A 19920309
EP 555031	P	19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9268031 A 19920326
EP 555031	P	19920430 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92111176 A 19920430
EP 555031	P	19920722 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92194450 A 19920722
EP 555031	P	19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92280874 A 19920925
EP 555031	P	19930129 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 93300695 A 19930129
EP 555031	P	19930811 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

PT SE

EP 555031 P 19930811 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 555031 P 19930811 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
930206

EP 555031 P 19951115 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 555031 P 19951115 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 555031 P 19970402 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
970214

EP 555031 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
980626

EP 562875 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 562875 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 562875 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 93302369 A 19930326

EP 562875 P 19930929 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 562875 P 19930929 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 562875 P 19930929 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
930403

EP 562875 P 19960417 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
960306

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114689 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114690 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114691 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114692 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114693 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

		EP 2000114694 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114695 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114696 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114697 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114698 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114699 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114700 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114701 A 20000708
EP 562875	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114702 A 20000708
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039673 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039674 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039675 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039676 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039677 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039678 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039679 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039680 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039681 P
EP 562875	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1039682 P
EP 562875	P	20001018 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1045541 P
EP 562875	P	20001102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 562875 P EP 1049283 P DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:  
 EP 1049284 P  
 EP 564187 P 19920326 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9268031 A 19920326  
 EP 564187 P 19920430 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92111176 A 19920430  
 EP 564187 P 19920722 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92194450 A 19920722  
 EP 564187 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92280874 A 19920925  
 EP 564187 P 19921021 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92282666 A 19921021  
 EP 564187 P 19921211 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92331300 A 19921211  
 EP 564187 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 564187 P 19930326 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 93302365 A 19930326  
 EP 564187 P 19931006 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 564187 P 19931006 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 564187 P 19931006 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 930403  
 EP 564187 P 19951206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 564187 P 19951206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 564187 P 19970402 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 970214  
 EP 564187 P 19980225 EP 18D DEEMED TO BE WITHDRAWN (ALS  
 ZURUECKGENOMMEN GELTEN)  
 970826  
 EP 589709 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925

EP 589709	P	19930325 EP AA	PRIORITY (PATENT APPLICATION)	PRIORITY (PATENTANMELDUNG) (PRIORITAET (PATENTANMELDUNG))
EP 589709	P	19930510 EP AA	PRIORITY (PATENT APPLICATION)	PRIORITY (PATENTANMELDUNG) (PRIORITAET (PATENTANMELDUNG))
EP 589709	P	19930924 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	EP 93307575 A 19930924
EP 589709	P	19940330 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 589709	P	19940330 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)	931002
EP 589709	P	19940330 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)	19940928 EP AK
EP 589709	P	19940928 EP A3	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 589709	P	19940928 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDerte VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))	19970102 EP 17Q
EP 589709	P	19970102 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)	961115
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114572 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114573 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114574 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114575 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114576 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114577 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114578 A 20000707
EP 589709	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	EP 2000114579 A 20000707

EP 589709 P EP 2000114579 A 20000707  
 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035693 P  
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035694 P  
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035695 P  
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035696 P  
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035697 P  
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1035698 P  
 EP 589709 P 20000927 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1039672 P  
 EP 589709 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1049282 P  
 EP 608126 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 608126 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9392219 A 19930325  
 EP 608126 P 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93107423 A 19930409  
 EP 608126 P 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93205682 A 19930727  
 EP 608126 P 19931102 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93297504 A 19931102  
 EP 608126 P 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93314114 A 19931119  
 EP 608126 P 19940119 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 94300403 A 19940119  
 EP 608126 P 19940727 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 608126 P 19940727 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 608126 P 19940727 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 940127  
 EP 608126 P 19951129 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 608126 P 19951129 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 608126 P 19970903 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
970722

EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 844611 P

EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 844612 P

EP 608126 P 19980729 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
980203

EP 609013 P 19930121 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19930409 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9392219 A 19930325

EP 609013 P 19930727 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19931102 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19931119 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19940119 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 94300402 A 19940119

EP 609013 P 19940803 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 609013 P 19940803 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 609013 P 19940803 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
940127

EP 609013 P 19951129 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 609013 P 19951129 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 609013 P 19970903 EP 17Q FIRST EXAMINATION REPORT

(ERSTER PRUEFUNGSBESCHEID)  
970722

EP 609013 P 19980401 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 833319 P

EP 609013 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
980626

EP 609617 P 19921201 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92321063 A 19921201

EP 609617 P 19930121 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 938596 A 19930121

EP 609617 P 19930727 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727

EP 609617 P 19931201 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 93309619 A 19931201

EP 609617 P 19940810 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE DE FR GB NL

EP 609617 P 19940810 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 609617 P 19940810 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
931214

EP 609617 P 19961211 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE DE FR GB NL

EP 609617 P 19961211 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 609617 P 19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
970612

EP 617531 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 617531 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 617531 P 19930924 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93261612 A 19930924

EP 617531 P 19940324 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 94302149 A 19940324

EP 617531 P 19940928 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 617531 P 19940928 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 617531 P 19940928 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
940402

EP 617531 P 19970102 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
961115

EP 617531 P 19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
970527

EP 637016 P 19930727 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727  
EP 637016 P 19931102 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102  
EP 637016 P 19931119 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119  
EP 637016 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418  
EP 637016 P 19940707 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94156089 A 19940707  
EP 637016 P 19940727 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 94305557 A 19940727

EP 637016 P 19950201 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL  
EP 637016 P 19950201 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 637016 P 19950201 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
940805

EP 637016 P 19950830 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL  
EP 637016 P 19950830 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 637016 P 19980408 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
980220

EP 637016 P 20000913 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000115017 A 20000724

EP 637016 P 20001108 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1050879 P

EP 637016 P 20010307 EP AHF DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)

1050879  
 EP 2000115017 A 20000724  
 EP 637016 P 20010307 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE  
 VERTRAGSSTAATEN)  
 BE CH DE FR GB IT LI NL  
 EP 637016 P 20010307 EP B1 PATENT SPECIFICATION  
 (PATENTSCHRIFT)  
 EP 637016 P 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE  
 (EINTRITT IN DIE NATIONALE PHASE)  
 EP 637016 P 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE  
 (EINTRITT IN DIE NATIONALE PHASE)  
 EP 637016 P 20010412 EP REF CORRESPONDS TO: (  
 ENTSPRICHT)  
 DE 69426795 P 20010412  
 EP 689200 P 19931228 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93335165 A 19931228  
 EP 689200 P 19940120 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9422191 A 19940120  
 EP 689200 P 19940418 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94104879 A 19940418  
 EP 689200 P 19940707 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94156089 A 19940707  
 EP 689200 P 19941202 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94299508 A 19941202  
 EP 689200 P 19941228 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)  
 WO 94JP2304 W 19941228  
 EP 689200 P 19941228 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 95904033 A 19941228  
 EP 689200 P 19951227 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
 DE FR GB IT  
 EP 689200 P 19951227 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 689200 P 19960207 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 951213  
 EP 689200 P 19960529 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH  
 REPORT: (IN EINEM ERGAENZENDEN  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 DE FR GB IT  
 EP 689200 P 19960529 EP A4 SUPPLEMENTARY SEARCH REPORT  
 (ERGAENZENDER RECHERCHENBERICHT)  
 EP 689200 P 19960605 EP K1C1 CORRECTION OF PATENT  
 APPLICATION (TITLE PAGE) PUBLISHED  
 (BERICHTIGUNG DER PATENTANMELDUNG  
 (TITELSEITE) ERSCHIENEN)  
 951227  
 EP 689200 P 19960605 EP RAP1 APPLICANT (CORRECTION)  
 (ANMELDER (KORR.))

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

EP 689200 P 19990120 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
981204

EP 706174 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418  
EP 706174 P 19941117 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94283415 A 19941117  
EP 706174 P 19941228 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94327963 A 19941228  
EP 706174 P 19950201 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9515318 A 19950201  
EP 706174 P 19950203 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9516865 A 19950203  
EP 706174 P 19950418 EP AA PCT-APPLICATION  
(PCT-ANMELDUNG)  
WO 95JP760 W 19950418

EP 706174 P 19950418 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 95915345 A 19950418

EP 706174 P 19960410 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
EP 706174 P 19960410 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 706174 P 19960410 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
951114

EP 706174 P 19970702 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A SUPPLEMENTARY SEARCH  
REPORT: (IN EINEM ERGAENZENDEN  
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
EP 706174 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT  
(ERGAENZENDER RECHERCHENBERICHT)

EP 706174 P 19991215 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
19991027

EP 741382 P 19941117 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94283415 A 19941117  
EP 741382 P 19950202 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9516153 A 19950202  
EP 741382 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 741382 P 19951116 EP AA PCT-APPLICATION  
(PCT-ANMELDUNG)  
WO 95JP2339 W 19951116

EP 741382 P 19951116 EP AE EP-APPLICATION

(EUROPAEISCHE ANMELDUNG)  
EP 95938017 A 19951116

EP 741382 P 19961106 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB  
EP 741382 P 19961106 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 741382 P 19970108 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
961112

EP 741382 P 19970702 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
DE FR GB

EP 741382 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)

EP 741382 P 19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
19990804

EP 741382 P 20010606 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2001108949 A 20010410

EP 766478 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327  
EP 766478 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425  
EP 766478 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529  
EP 766478 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723  
EP 766478 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317  
EP 766478 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326

EP 766478 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 766478 P 19970402 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P

EP 766478 P 19970402 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
DE FR GB NL

EP 766478 P 19970402 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 99119266 A 19990928

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99119266 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121006 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121007 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121008 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121024 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121025 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 99121026 A 19991021

EP 766478 P 20000119 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 973335 P

EP 766478 P 20000119 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 766478 P 20000119 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975168 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975169 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975170 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975171 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975172 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 975173 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 766478 P EP 975174 P  
 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975168  
 EP 99119266 A 19990928  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 973335  
 EP 99119278 A 19990928  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975169  
 EP 99121006 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975170  
 EP 99121007 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975171  
 EP 99121008 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975172  
 EP 99121024 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975173  
 EP 99121025 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 975174  
 EP 99121026 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000114691 A 20000708  
 EP 766478 P 20000913 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000719  
 EP 766478 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1049334 P  
 EP 766478 P 20010321 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20010206  
 EP 802527 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 95261247 A 19951009  
 EP 802527 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 802527 P 19960809 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 96211304 A 19960809  
 EP 802527 P 19961008 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)

WO 96JP2924 W 19961008  
 EP 802527 P 19961008 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 96932845 A 19961008

EP 802527 P 19971022 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB  
 EP 802527 P 19971022 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 802527 P 19971022 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 970707

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005023 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005024 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005025 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005026 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005027 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005028 P

EP 802527 P 20000614 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20000427

EP 802527 P 20000802 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1024478 P

EP 802527 P 20010321 EP RTI1 TITEL (CORRECTION) (TITEL  
 (KORR.))  
 RECORDER FOR OPTICAL DISKS

EP 802527 P 20010328 EP RTI1 TITEL (CORRECTION) (TITEL  
 (KORR.))  
 RECORDER FOR OPTICAL DISKS

EP 802527 P 20010523 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005026 P

EP 802527 P 20010523 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005027 P

EP 802527 P 20010530 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005024 P

EP 807929 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
 EP 807929 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
 EP 807929 P 19960515 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)  
 WO 96JP1303 W 19960515

EP 807929 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 96915172 A 19960515

EP 807929 P 19971119 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB  
EP 807929 P 19971119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 807929 P 19971119 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
970918

EP 807929 P 19971210 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB  
EP 807929 P 19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
19990804

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000104818 A 20000306

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000104818 A 20000306

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000106447 A 20000324

EP 807929 P 20000524 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1003162 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1005033 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1005034 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1005035 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1006516 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1006517 P

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005033  
EP 2000101774 A 20000128

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005034  
EP 2000101775 A 20000128

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1003162  
EP 2000103257 A 20000217

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005035  
EP 2000104818 A 20000306

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1006516  
EP 2000105014 A 20000309

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1006517  
EP 2000106447 A 20000324

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000109898 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000109899 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000110461 A 20000516

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005033  
EP 2000101774 A 20000128

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005034  
EP 2000101775 A 20000128

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1003162  
EP 2000103257 A 20000217

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1005035  
EP 2000104818 A 20000306

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1006516  
EP 2000105014 A 20000309

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
1006517  
EP 2000106447 A 20000324

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000109898 A 20000510

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000109899 A 20000510

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000110461 A 20000516

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000112310 A 20000608

EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1028422 P

EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1028423 P

EP 807929 P 20000823 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1030297 P

EP 807929 P 20000830 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1031974 P

EP 807929 P 20000906 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00  
B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F  
1/00 B

EP 807929 P 20000906 EP RTI1 TITEL (CORRECTION) (TITEL  
(KORR.))  
OPTICAL DISK PROVIDED WITH BAR CODE

EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 807929 P EP 1003162 P DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005034 P  
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005035 P  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1005033  
 EP 2000101774 A 20000128  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1005034  
 EP 2000101775 A 20000128  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1003162  
 EP 2000103257 A 20000217  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1005035  
 EP 2000104818 A 20000306  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1006516  
 EP 2000105014 A 20000309  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1006517  
 EP 2000106447 A 20000324  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1028422  
 EP 2000109898 A 20000510  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1028423  
 EP 2000109899 A 20000510  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1030297  
 EP 2000110461 A 20000516  
 EP 807929 P 20010228 EP AHF DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 1031974  
 EP 2000112310 A 20000608  
 EP 807929 P 20010228 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE  
 VERTRAGSSTAATEN)  
 DE FR GB  
 EP 807929 P 20010228 EP B1 PATENT SPECIFICATION  
 (PATENTSCHRIFT)  
 EP 807929 P 20010405 EP REF CORRESPONDS TO:  
 (ENTSPRICHT)  
 DE 69611906 P 20010405  
 EP 833319 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 833319 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9392219 A 19930325  
 EP 833319 P 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93107423 A 19930409

EP 833319 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 833319 P 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 833319 P 19940119 EP 97118775 A 19940119

EP 833319 P 19980401 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 833319 P 19980401 EP 609013 P

EP 833319 P 19980401 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

EP 833319 P 19980401 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 833319 P 19980401 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 971029

EP 833319 P 19980429 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO, TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA, TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI

EP 844611 P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 844611 P 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 844611 P 19980527 EP 98100524 A 19940119  
 DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 608126 P

EP 844611 P 19980527 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE

EP 844611 P 19980527 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844611 P 19980527 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 980114

EP 844612 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19931102 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P 19940119 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 94300403 A3 19940119

EP 844612 P 19940119 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 98100525 A 19940119

EP 844612 P 19980527 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 608126 P

EP 844612 P 19980527 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE

EP 844612 P 19980527 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844612 P 19980527 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 980114

EP 971345 P 19961219 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 971345 P 19970122 EP AA PRIORITY (PATENT)

JP 96339304 A 19961219  
 JP 96339304 A 19970122 PRIORITY (PATENT)

APPLICATION) (PRIORITY (PATENTANMELDUNG))			
EP 971345	P	JP 979318 A 19970122 19970924 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 971345	P	JP 97259110 A 19970924 19971217 EP AA PCT-APPLICATION (PCT-ANMELDUNG)	
EP 971345	P	WO 97JP4664 W 19971217 19971217 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
EP 971345	P	EP 97949124 A 19971217 200000112 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)	
EP 971345	P	DE FR GB IT NL 200000112 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)	
EP 971345	P	200000112 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19990719	
EP 973335	P	19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 973335	P	JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 973335	P	JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 973335	P	JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 973335	P	JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))	
EP 973335	P	JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)	
EP 973335	P	EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)	
EP 973335	P	EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
EP 973335	P	EP 99119278 A 19920326 200000119 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
EP 973335	P	EP 506400 P 200000119 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
EP 973335	P	EP 766478 P 200000119 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)	
EP 973335	P	DE FR GB NL 200000119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)	
EP 973335	P	200000119 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991015	

EP 973335 P 20001004 EP AKX PAYMENT OF DESIGNATION FEES  
(NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL

EP 973335 P 20001115 EP K1C3 CORRECTION OF PATENT  
APPLICATION (COMPLETE REPRINT) PUBLISHED  
(BERICHTIGUNG DER PATENTANMELDUNG  
(KOMPLETTNEUDRUCK) ERSCHIENEN)  
20000119

EP 973335 P 20001206 EP RPR1 PRIORITY (CORRECTION)  
(PRIORITAET (KORR.))  
JP 19910327 6279891 ; JP 19910425 9581391 ;  
JP 19910529 15565091 ; JP 19910723 18223691 ;  
JP 19920317 6073992

EP 975168 P 19910327 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9162798 A 19910327

EP 975168 P 19910425 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9195813 A 19910425

EP 975168 P 19910529 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 91155650 A 19910529

EP 975168 P 19910723 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 91182236 A 19910723

EP 975168 P 19920317 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9260739 A 19920317

EP 975168 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326

EP 975168 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96119060 A3 19920326

EP 975168 P 19920326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 99119266 A 19920326

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 766478 P

EP 975168 P 20000126 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
DE FR GB NL

EP 975168 P 20000126 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 975168 P 20000126 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19991022

EP 975168 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
(NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL

EP 975168 P 20001115 EP K1C3 CORRECTION OF PATENT  
APPLICATION (COMPLETE REPRINT) PUBLISHED  
(BERICHTIGUNG DER PATENTANMELDUNG  
(KOMPLETTNEUDRUCK) ERSCHIENEN)  
20000126

EP 975168 P 20010418 EP 17Q FIRST EXAMINATION REPORT

(ERSTER PRUEFUNGSBESCHEID)  
20010227

EP 975169 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P JP 9162798 A 19910327 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P JP 9195813 A 19910425 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P JP 91155650 A 19910529 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P JP 91182236 A 19910723 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P JP 9260739 A 19920317 DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326

EP 975169 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 96119060 A3 19920326

EP 975169 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
EP 99121006 A 19920326

EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P

EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 766478 P

EP 975169 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 975169 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 975169 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
19991021

EP 975169 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL

EP 975170 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P JP 9162798 A 19910327 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P JP 9195813 A 19910425 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P JP 91155650 A 19910529 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P JP 91182236 A 19910723 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 975170 P JP 9260739 A 19920317  
19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326

EP 975170 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96119060 A3 19920326

EP 975170 P 19920326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 99121007 A 19920326

EP 975170 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P

EP 975170 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 766478 P

EP 975170 P 20000126 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 975170 P 20000126 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 975170 P 20000126 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19991021

EP 975170 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
(NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL

EP 975171 P 19910327 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975171 P 19910425 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975171 P 19910529 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975171 P 19910723 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975171 P 19920317 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975171 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326

EP 975171 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96119060 A3 19920326

EP 975171 P 19920326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 99121008 A 19920326

EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P

EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 766478 P

EP 975171 P 20000126 EP AK DESIGNATED CONTRACTING

STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL  
EP 975171 P 20000126 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)  
EP 975171 P 20000126 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19991021  
EP 975171 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
(NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL  
EP 975171 P 20010418 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010227  
EP 975172 P 19910327 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9162798 A 19910327  
EP 975172 P 19910425 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9195813 A 19910425  
EP 975172 P 19910529 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 91155650 A 19910529  
EP 975172 P 19910723 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 91182236 A 19910723  
EP 975172 P 19920317 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
JP 9260739 A 19920317  
EP 975172 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 92302627 A3 19920326  
EP 975172 P 19920326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96119060 A3 19920326  
EP 975172 P 19920326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 99121024 A 19920326  
EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 506400 P  
EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 766478 P  
EP 975172 P 20000126 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
DE FR GB NL  
EP 975172 P 20000126 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)  
EP 975172 P 20000301 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19991021  
EP 975172 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
(NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE FR GB NL  
EP 975172 P 20010404 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010222

EP 975173 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 975173 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 975173 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 975173 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 975173 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 975173 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

19991021

EP 975173 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))

DE FR GB NL

EP 975173 P 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)

20010227

EP 975174 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975174 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975174 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975174 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975174 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9260739 A 19920317

EP 975174 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326

EP 975174 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326

EP 975174 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 99121026 A 19920326

EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P

EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P

EP 975174 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 975174 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 975174 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991021

EP 975174 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL

EP 1003162 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1003162 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1003162 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1003162 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 2000103257 A 19960515

EP 1003162 P 20000524 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1003162 P 20000524 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 1003162 P 20000524 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1003162 P 20000524 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000217

EP 1003162 P 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
 20000725

EP 1003162 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1003162 P 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:

(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE  
VERTRAGSSTAATEN)

DE FR GB

EP 1003162 P 20001102 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 1003162 P 20001207 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69610859 P 20001207

EP 1003162 P 20010207 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 1003162 P 20010209 EP ET FR: TRANSLATION FILED (FR:  
TRADUCTION A ETE REMISE)

EP 1005023 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1005023 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1005023 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809

EP 1005023 P 19961008 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96932845 A3 19961008

EP 1005023 P 19961008 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000102965 A 19961008

EP 1005023 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P

EP 1005023 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB

EP 1005023 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005023 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000301

EP 1005023 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
(ERFINDER (KORR.))  
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI

EP 1005023 P 20010110 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20001130

EP 1005023 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 1005024 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1005024 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1005024 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809

EP 1005024	P	19961008 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 1005024	P	19961008 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1005024	P	20000531 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005024	P	20000531 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 1005024	P	20000531 EP A1	DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005024	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301
EP 1005024	P	20000927 EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005024	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20001130
EP 1005024	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
EP 1005024	P	20010530 EP AC	DE FR GB DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005024	P	20010530 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN VERTRAGSSTAATEN)
EP 1005024	P	20010530 EP B1	DE FR GB PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005025	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005025	P	19960123 EP AA	JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005025	P	19960809 EP AA	JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005025	P	19961008 EP AA	JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 1005025	P	19961008 EP AE	EP 96932845 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1005025	P	20000531 EP AC	EP 2000102967 A 19961008 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005025	P	20000531 EP AK	EP 802527 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 1005025	P	20000531 EP A1	DE FR GB PUBLICATION OF APPLICATION

WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005025 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000301

EP 1005025 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
(ERFINDER (KORR.))  
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI

EP 1005025 P 20010207 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20001227

EP 1005025 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGBEUREN)  
DE FR GB

EP 1005026 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005026 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1005026 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809  
EP 1005026 P 19961008 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96932845 A3 19961008

EP 1005026 P 19961008 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000102968 A 19961008

EP 1005026 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P

EP 1005026 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
EP 1005026 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005026 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000301

EP 1005026 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
(ERFINDER (KORR.))  
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI

EP 1005026 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL  
(KORR.))  
OPTICAL RECORDER

EP 1005026 P 20010110 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20001130

EP 1005026 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGBEUREN)  
DE FR GB

EP 1005026 P 20010523 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P

EP 1005026 P 20010523 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN

VERTRAGSSTAATEN)  
DE FR GB

EP 1005026 P 20010523 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 1005026 P 20010628 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69613010 P 20010628

EP 1005027 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005027 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1005027 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809  
EP 1005027 P 19961008 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96932845 A3 19961008

EP 1005027 P 19961008 EP AE EP-APPLICATION  
(EUROPÄISCHE ANMELDUNG)  
EP 2000102969 A 19961008

EP 1005027 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P

EP 1005027 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
EP 1005027 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005027 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000301

EP 1005027 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
(ERFINDER (KORR.))  
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI

EP 1005027 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL  
(KORR.))  
OPTICAL RECORDER

EP 1005027 P 20010110 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20001130

EP 1005027 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 1005027 P 20010523 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P

EP 1005027 P 20010523 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN  
VERTRAGSSTAATEN)  
DE FR GB

EP 1005027 P 20010523 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 1005027 P 20010628 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69613011 P 20010628

EP 1005028 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005028 P 19960123 EP AA JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005028 P 19960809 EP AA JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005028 P 19961008 EP AA JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 1005028 P 19961008 EP AE EP 96932845 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 1005028 P 20000531 EP AC EP 2000102971 A 19961008 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS: )

EP 1005028 P 20000531 EP AK EP 802527 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

EP 1005028 P 20000531 EP A1 DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005028 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301

EP 1005028 P 20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI

EP 1005028 P 20001129 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20001013

EP 1005028 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB

EP 1005033 P 19951009 EP AA JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005033 P 19960123 EP AA JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005033 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 1005033 P 19960515 EP AE EP 96915172 A3 19960515 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 1005033 P 20000531 EP AC EP 2000101774 A 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS: )

EP 1005033 P 20000531 EP AK EP 807929 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

EP 1005033 P 20000531 EP A1 DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005033 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

20000128

EP 1005033 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 1005033 P 20010502 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010316

EP 1005034 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005034 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1005034 P 19960515 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96915172 A3 19960515

EP 1005034 P 19960515 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000101775 A 19960515

EP 1005034 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 807929 P

EP 1005034 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

DE FR GB  
EP 1005034 P 20000531 EP AX ERSTRECKUNG DES  
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON  
BENENNUNGSGEBUEHREN)  
AL;LT;LV;SI

EP 1005034 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005034 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000128

EP 1005034 P 20000913 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20000725

EP 1005034 P 20011102 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 807929 P

EP 1005034 P 20011102 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNT  
VERTRAGSSTAATEN)  
DE FR GB

EP 1005034 P 20011102 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 1005034 P 20012107 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69610860 P 20001207

EP 1005034 P 20010209 EP ET FR: TRANSLATION FILED (FR:  
TRADUCTION A ETE REMISE)

EP 1005034 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 1005035 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005035 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1005035 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1005035 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000104818 A 19960515

EP 1005035 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1005035 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
 NL PT SE

EP 1005035 P 20000531 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBÜEHREN)  
 AL;LT;LV;SI

EP 1005035 P 20000531 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VERÖFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005035 P 20000531 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRÜFUNGSANTRAG GESTELLT)  
 20000306

EP 1005035 P 20000913 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRÜFUNGSBESCHEID)  
 20000725

EP 1005035 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1005035 P 20001102 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEFÜHRTE BENANNTEN  
 VERTRAGSSTAATEN)  
 DE FR GB

EP 1005035 P 20001102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 1005035 P 20001207 EP REF CORRESPONDS TO:  
 (ENTSPRICHT)  
 DE 69610861 P 20001207

EP 1005035 P 20001213 IE FG4D/REG EUROPEAN PATENTS GRANTED  
 DESIGNATING IRELAND

EP 1005035 P 20010209 EP ET FR: TRANSLATION FILED (FR:  
 TRADUCTION A ETE REMISE)

EP 1005035 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBÜEHREN)  
 DE FR GB

EP 1006516 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1006516 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1006516 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1006516 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000105014 A 19960515

EP 1006516 P 20000607 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1006516 P 20000607 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
 EP 1006516 P 20000607 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBUEHREN)  
 AL;LT;LV;SI

EP 1006516 P 20000607 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006516 P 20000607 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000309

EP 1006516 P 20010221 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB

EP 1006516 P 20010530 EP RBV DESIGNATED CONTRACTING  
 STATES (CORRECTION): (BENANNTE  
 VERTRAGSSTAATEN (KORR.))  
 DE FR GB

EP 1006516 P 20010613 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20010427

EP 1006517 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
 EP 1006517 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
 EP 1006517 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)

EP 96915172 A3 19960515  
 EP 1006517 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)

EP 2000106447 A 19960515  
 EP 1006517 P 20000607 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1006517 P 20000607 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB  
 EP 1006517 P 20000607 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBUEHREN)  
 AL;LT;LV;SI

EP 1006517 P 20000607 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006517 P 20000607 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000324

EP 1006517 P 20010221 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB

EP 1024478 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
 EP 1024478 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
 EP 1024478 P 19960809 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1024478 P 19961008 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96932845 A3 19961008  
 EP 1024478 P 19961008 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000102970 A 19961008  
 EP 1024478 P 20000802 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 802527 P  
 EP 1024478 P 20000802 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
  
 DE FR GB  
 EP 1024478 P 20000802 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1024478 P 20000802 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000301  
 EP 1024478 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
 TAKEMURA, YOSHINARI  
 EP 1024478 P 20001129 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20001011  
 EP 1024478 P 20010418 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB  
 EP 1028422 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 95261247 A 19951009  
 EP 1028422 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 968910 A 19960123  
 EP 1028422 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1028422 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000109898 A 19960515  
 EP 1028422 P 20000816 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1028422 P 20000816 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
  
 DE FR GB  
 EP 1028422 P 20000816 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1028422 P 20000816 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000510  
 EP 1028422 P 20010502 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB  
 EP 1028423 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 95261247 A 19951009  
 EP 1028423 P 19960123 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1028423 P JP 968910 A 19960123  
 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1028423 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000109899 A 19960515

EP 1028423 P 20000816 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1028423 P 20000816 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
 EP 1028423 P 20000816 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1028423 P 20000816 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000510

EP 1028423 P 20001227 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20001113

EP 1028423 P 20010502 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB

EP 1030297 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 95261247 A 19951009  
 EP 1030297 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 968910 A 19960123  
 EP 1030297 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1030297 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000110461 A 19960515

EP 1030297 P 20000823 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1030297 P 20000823 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
 EP 1030297 P 20000823 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBUEHREN)  
 AL;LT;LV;SI

EP 1030297 P 20000823 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1030297 P 20000823 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000519

EP 1030297 P 20010418 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20010302

EP 1030297 P 20010509 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB

EP 1031974 P 19951009 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 JP 95261247 A 19951009  
 EP 1031974 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
  
 JP 968910 A 19960123  
 EP 1031974 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1031974 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000112310 A 19960515  
 EP 1031974 P 20000830 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS: )  
 EP 807929 P  
 EP 1031974 P 20000830 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
  
 DE FR GB  
 EP 1031974 P 20000830 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1031974 P 20000830 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000608  
 EP 1031974 P 20001227 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20001113  
 EP 1031974 P 20010516 EP AKX PAYMENT OF DESIGNATION FEES  
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)  
 DE FR GB  
 EP 1035693 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
  
 JP 92256070 A 19920925  
 EP 1035693 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
  
 JP 9366461 A 19930325  
 EP 1035693 P 19930510 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
  
 JP 93132984 A 19930510  
 EP 1035693 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035693 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114572 A 19930924  
 EP 1035693 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS: )  
 EP 589709 P  
 EP 1035693 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)  
  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035693 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035693 P 20001011 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000714  
 EP 1035693 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM

RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035693 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035694 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1035694 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325  
EP 1035694 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510  
EP 1035694 P 19930924 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93307575 A3 19930924

EP 1035694 P 19930924 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114573 A 19930924

EP 1035694 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 589709 P

EP 1035694 P 20000913 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035694 P 20000913 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035694 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035694 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035694 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035694 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1035695 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1035695 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325  
EP 1035695 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1035695 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035695 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114575 A 19930924  
 EP 1035695 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1035695 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035695 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035695 P 20001011 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000714  
 EP 1035695 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035695 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1035695 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
 7/24 B  
 EP 1035696 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1035696 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9366461 A 19930325  
 EP 1035696 P 19930510 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93132984 A 19930510  
 EP 1035696 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035696 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114577 A 19930924  
 EP 1035696 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1035696 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035696 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035696 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035696 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035696 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035696 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1035697 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035697 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035697 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035697 P 19930924 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93307575 A3 19930924

EP 1035697 P 19930924 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114578 A 19930924

EP 1035697 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 589709 P

EP 1035697 P 20000913 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035697 P 20000913 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035697 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035697 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035697 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035697 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1035698 P 19920925 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 92256070 A 19920925  
P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9366461 A 19930325  
P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 93132984 A 19930510  
P 19930924 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93307575 A3 19930924

EP 1035698 P 19930924 EP AE EP-APPLICATION  
(EUROPÄISCHE ANMELDUNG)  
EP 2000114579 A 19930924

EP 1035698 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 589709 P

EP 1035698 P 20000913 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035698 P 20000913 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035698 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035698 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035698 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035698 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1039672 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 92256070 A 19920925  
P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9366461 A 19930325  
P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 93132984 A 19930510  
P 19930924 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93307575 A3 19930924

EP 1039672 P 19930924 EP AE EP-APPLICATION  
(EUROPÄISCHE ANMELDUNG)  
EP 2000114576 A 19930924

EP 1039672 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 1039672 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039672 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039672 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039672 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039672 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1039672 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1039673 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039673 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039673 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039673 P 19930326 EP AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG)  
EP 2000114689 A 19930326

EP 1039673 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039673 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039673 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039673 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039673 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039673 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS)

(ART. 93))

EP 1039673 P 20010530 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039674 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039674 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039674 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039674 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114690 A 19930326

EP 1039674 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039674 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039674 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039674 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039674 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039674 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039674 P 20010530 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039675 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039675 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039675 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039675 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114692 A 19930326

EP 1039675 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039675 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039675 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039675 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039675 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039675 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039675 P 20010418 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010302

EP 1039676 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039676 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039676 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039676 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114694 A 19930326

EP 1039676 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039676 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039676 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039676 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039676 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039676 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039676 P 20010530 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039677 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039677 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039677 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039677 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
EP 2000114696 A 19930326

EP 1039677 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039677 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039677 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039677 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039677 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039677 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1039677 P 20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039678 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039678 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039678 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039678 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
EP 2000114697 A 19930326

EP 1039678 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039678 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039678 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039678 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

20000712

EP 1039678 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039678 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1039678 P 20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039679 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039679 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039679 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039679 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
EP 2000114698 A 19930326

EP 1039679 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039679 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039679 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039679 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039679 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039679 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1039679 P 20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039680 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039680 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039680 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039680 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114699 A 19930326

EP 1039680 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039680 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039680 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039680 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039680 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039680 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039680 P 20010418 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010302

EP 1039681 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039681 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039681 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039681 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114701 A 19930326

EP 1039681 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039681 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039681 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039681 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039681 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039681 P 20001206 EP A3 SEPARATE PUBLICATION OF THE

SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039681 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18  
B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N  
7/24 B

EP 1039681 P 20010530 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1039682 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039682 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039682 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039682 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114702 A 19930326

EP 1039682 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039682 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039682 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039682 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039682 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039682 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039682 P 20010418 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010302

EP 1045541 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1045541 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1045541 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1045541 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114700 A 19930326

EP 1045541 P 20001018 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P

EP 1045541 P 20001018 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1045541 P 20001018 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712

EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1045541 P 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010302

EP 1049282 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1049282 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1049282 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1049282 P 19930924 EP AA DIVIDED OUT OF ( AUSSCHEIDUNG AUS)

EP 93307575 A3 19930924

EP 1049282 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 2000114574 A 19930924

EP 1049282 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P

EP 1049282 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049282 P 20001102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049282 P 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712

EP 1049282 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049282 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1049282 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1049283 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1049283 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1049283 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1049283 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114693 A 19930326

EP 1049283 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1049283 P 20001102 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049283 P 20001102 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049283 P 20001102 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1049283 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049283 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1049283 P 20010530 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20010412

EP 1049284 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1049284 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1049284 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1049284 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114695 A 19930326

EP 1049284 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1049284 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

EP 1049284 P 20001102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049284 P 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712

EP 1049284 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

EP 1049284 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1049284 P 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010302

EP 1049334 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 1049334 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 1049334 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 1049334 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 1049334 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 1049334 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 92302627 A3 19920326

EP 1049334 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 96119060 A3 19920326

EP 1049334 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 2000114691 A 19920326

EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 506400 P

EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 766478 P

EP 1049334 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 1049334 P 20001102 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER

ANMELDUNG MIT RECHERCHENBERICHT)

EP 1049334 P 20001102 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000715

EP 1049334 P 20001220 EP K1C1 CORRECTION OF PATENT  
APPLICATION (TITLE PAGE) PUBLISHED  
(BERICHTIGUNG DER PATENTANMELDUNG  
(TITELSEITE) ERSCHIENEN)  
20001102

EP 1049334 P 20001220 EP RPRI PRIORITY (CORRECTION)  
(PRIORITAET (KORR.))  
JP 19910327 6279891 ; JP 19910425 9581391 ;  
JP 19910529 15565091 ; JP 19910723 18223691 ;  
JP 19920317 6073992

EP 1050879 P 19930727 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19931102 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19931119 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940707 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940727 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 94305557 A3 19940727

EP 1050879 P 19940727 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000115017 A 19940727

EP 1050879 P 20001108 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 637016 P

EP 1050879 P 20001108 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

EP 1050879 P 20001108 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928  
RECODER/REPRODUCER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9250328 A 19920309  
Applic (No,Kind,Date): JP 9250328 A 19920309  
IPC: \* G11B-013/04; G11B-013/00  
JAPIO Reference No: ; 180014P000119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 5307788 A2 19931119  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 92111176 A 19920430

Applc (No,Kind,Date): JP 92111176 A 19920430  
IPC: \* G11B-013/04; G11B-013/00  
JAPIO Reference No: ; 180121P000165  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 5327807 A2 19931210  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1  
19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP  
9260739 A1 19920317  
Applc (No,Kind,Date): JP 9268935 A 19920327  
IPC: \* H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00  
; H04N-007/13; H04N-007/20  
JAPIO Reference No: ; 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 6036387 A2 19940210  
RECORDING/REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 92194450 A 19920722  
Applc (No,Kind,Date): JP 92194450 A 19920722  
IPC: \* G11B-013/04; G11B-013/00  
JAPIO Reference No: ; 180264P000063  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 6164665 A2 19940610  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): JP 9368545 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00  
; H04N-007/20; H04N-011/04  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144; 180486E000144  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 6180888 A2 19940628  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A  
19920129; JP 9268031 A 19920326; JP 92280874 A 19920925  
Applc (No,Kind,Date): JP 9334656 A 19930128  
IPC: \* G11B-013/00; G11B-013/04; G11B-011/10  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180522P000136; 180522P000136  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 6231509 A2 19940819  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO  
; SHIMIZU RYOSUKE  
Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A  
19920228; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applc (No,Kind,Date): JP 9363428 A 19930226  
IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;  
G11B-023/40  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180618P000070; 180618P000070  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 6231510 A2 19940819  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO  
; SHIMIZU RYOSUKE  
Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A  
19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP

92331300 A 19921211  
Applic (No,Kind,Date): JP 9392247 A 19930326  
IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;  
G11B-023/40  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180522P000136; 180618P000070; 180618P000070  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7093962 A2 19950407  
INFORMATION RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO  
Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A  
19921201; JP 938596 A 19930121; JP 93205682 A 19930727  
Applic (No,Kind,Date): JP 93300723 A 19931201  
IPC: \* G11B-033/02; G11B-017/04; G11B-025/10  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
94-250560; G 95-116722  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7099522 A2 19950411  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): JP 93261611 A 19930924  
IPC: \* H04L-027/34; H04B-001/66; H04B-014/04  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7235097 A2 19950905  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;  
YOSHIURA TSUKASA  
Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP  
93333403 A 19931227; JP 93349972 A 19931227  
Applic (No,Kind,Date): JP 93351425 A 19931228  
IPC: \* G11B-013/04; G11B-005/02  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
94-250560; G 94-342258; G 95-116722; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7235098 A2 19950905  
INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI  
Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A  
19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
Applic (No,Kind,Date): JP 93351426 A 19931228  
IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
94-250560; G 95-116722; G 95-341616; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7235099 A2 19950905  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;  
YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI  
Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP  
93333403 A 19931227; JP 93349972 A 19931227

Applic (No,Kind,Date): JP 9422135 A 19940121  
IPC: \* G11B-013/04; G11B-020/12; G11B-020/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7249227 A2 19950926  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 9422191 A 19940120  
Applic (No,Kind,Date): JP 94195853 A 19940727  
IPC: \* G11B-007/00; G11B-007/007; G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7264148 A2 19951013  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9479668 A 19940324  
Applic (No,Kind,Date): JP 9479668 A 19940324  
IPC: \* H04H-001/00; H04N-007/01; H04N-007/24  
Derwent WPI Acc No: \* G 95-387959; G 95-387959  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7320333 A2 19951208  
RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS MANUFACTURE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI  
Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
Applic (No,Kind,Date): JP 9422158 A 19940121  
IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7322219 A2 19951208  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applic (No,Kind,Date): JP 9479432 A 19940325  
IPC: \* H04N-007/015; H04N-007/20  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 8212560 A2 19960820  
OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
Applic (No,Kind,Date): JP 94327805 A 19941228  
IPC: \* G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 8212681 A2 19960820  
RECORDING/REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9516865 A 19950203

Applc (No,Kind,Date): JP 9516865 A 19950203  
IPC: \* G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10  
Derwent WPI Acc No: \* G 95-373939  
Language of Document: Japanese

Patent (No,Kind,Date): JP 8273164 A2 19961018  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI  
Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516153 A 19950202

Applc (No,Kind,Date): JP 9592116 A 19950418  
IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785  
Language of Document: Japanese

Patent (No,Kind,Date): JP 10233019 A2 19980902  
OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA  
Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A 19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP 96211304 A 19960809

Applc (No,Kind,Date): JP 979318 A 19970122  
IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10  
Derwent WPI Acc No: \* G 97-236117; G 97-236119; G 98-363034  
Language of Document: Japanese

Patent (No,Kind,Date): JP 11162031 A2 19990618  
OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER AND OPTICAL DISK RECORDER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924

Applc (No,Kind,Date): JP 97351243 A 19971219  
IPC: \* G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24; G11B-013/00; G11B-020/10  
Derwent WPI Acc No: \* G 98-363034  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032074 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applc (No,Kind,Date): JP 99169243 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032075 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169244 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032076 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169245 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032077 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169246 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032078 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169247 A 19990616  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032079 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169248 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G

00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000076659 A2 20000314  
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A  
19951009; JP 968910 A 19960123  
Aplic (No,Kind,Date): JP 99257252 A 19990910  
IPC: \* G11B-007/007; G11B-019/04; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000076662 A2 20000314  
OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF  
OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A  
19951009; JP 968910 A 19960123  
Aplic (No,Kind,Date): JP 99257248 A 19990910  
IPC: \* G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04;  
G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000076705 A2 20000314  
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A  
19951009; JP 968910 A 19960123  
Aplic (No,Kind,Date): JP 99257245 A 19990910  
IPC: \* G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000076791 A2 20000314  
OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK  
REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A  
19951009; JP 968910 A 19960123  
Aplic (No,Kind,Date): JP 99257247 A 19990910  
IPC: \* G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000078222 A2 20000314  
TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): JP 99200091 A 19990714  
IPC: \* H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38  
; H04N-007/08; H04N-007/081  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000106579 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289582 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106580 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289583 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106581 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289584 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106582 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289585 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106583 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289586 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000149423 A2 20000530  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809  
Aplic (No,Kind,Date): JP 99373897 A 19990101  
IPC: \* G11B-020/10; G11B-007/005  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000156037 A2 20000606  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99373901 A 19990101  
IPC: \* G11B-020/10; G11B-007/0045; G11B-007/24  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000173062 A2 20000623  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99373902 A 19990101  
IPC: \* G11B-007/007; G06F-012/14; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99375208 A 19991228  
IPC: \* G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99373898 A 19990101  
IPC: \* G11B-020/10; G06F-012/14; G11B-007/005  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000215603 A2 20000804  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99373896 A 19990101  
IPC: \* G11B-020/10; G11B-007/0045; G11B-019/04  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99257251 A 19990910  
IPC: \* G11B-007/004; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99257250 A 19990910  
IPC: \* G11B-007/005; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Aplic (No,Kind,Date): JP 99375209 A 19991228  
IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;  
G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

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Aplic (No,Kind,Date): JP 99257246 A 19990910

IPC: \* G11B-007/24; G11B-007/004; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): JP 99257249 A 19990910  
IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applie (No,Kind,Date): JP 99373899 A 19990101  
IPC: \* G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
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IPC: \* G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): JP 20002000085410 A 20000101  
IPC: \* H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02 ; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): JP 20002000085407 A 20000101  
IPC: \* H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02 ; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46; H04N-005/78; H04N-005/7826; H04N-005/92; H04N-007/00; H04H-001/00; H04N-007/24; H04N-007/20  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
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Applie (No,Kind,Date): JP 20002000085408 A 20000101  
IPC: \* H04J-011/00; H04J-003/00; H04L-027/34; H04N-005/38; H04N-005/445; H04N-007/08; H04N-007/081  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): JP 20002000085409 A 20000101

IPC: \* H04J-011/00; H04B-014/04; H04J-003/00; H04L-001/00; H04L-027/34  
; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44;  
H04N-007/20; H04H-001/00

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: Japanese

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19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): JP 20002000095800 A 20000101

IPC: \* H04J-011/00; H04L-027/34; H04N-005/40; H04N-005/44; H04N-007/00  
; H04N-007/20

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000315992 A2 20001114

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applie (No,Kind,Date): JP 20002000085411 A 20000101

IPC: \* H04J-011/00; H04L-001/00; H04L-027/00; H04N-005/40;  
H04N-005/455; H04N-007/24; H04N-007/30

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: Japanese

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Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A  
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Applie (No,Kind,Date): JP 20002000095801 A 20000101

IPC: \* H04J-011/00; H04L-027/36; H04L-027/38; H04N-007/08;  
H04N-007/081; H04N-007/20

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

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Patent (No,Kind,Date): JP 3008651 B2 20000214

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1  
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91182236 A1 19910723; JP 9260739 A1 19920317

Applie (No,Kind,Date): JP 9268935 A 19920327

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20; H04N-007/24

Language of Document: Japanese

Patent (No,Kind,Date): JP 3042780 B2 20000522

Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A  
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Applie (No,Kind,Date): JP 99257245 A 19990910

IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24;  
G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28

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Patent (No,Kind,Date): JP 3042781 B2 20000522

Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A  
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Applie (No,Kind,Date): JP 99257252 A 19990910

IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005;

G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3061053 B2 20000710  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
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Applic (No,Kind,Date): JP 99169243 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3061054 B2 20000710  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A  
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Applic (No,Kind,Date): JP 99169244 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3061055 B2 20000710  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A  
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IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3061056 B2 20000710  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A  
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IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089599 B2 20000918  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORYA MITSURO  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Applic (No,Kind,Date): JP 99257246 A 19990910  
IPC: \* G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089600 B2 20000918  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORYA MITSURO  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
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Applic (No,Kind,Date): JP 99257249 A 19990910  
IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089601 B2 20000918  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;  
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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
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Language of Document: Japanese  
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Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): JP 99169246 A 19990616  
IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
Language of Document: Japanese  
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Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): JP 99169247 A 19990616  
IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3097914 B2 20001010  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): JP 99257251 A 19990910  
IPC: \* G11B-007/004; G11B-007/26; G11B-020/10  
Language of Document: Japanese  
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Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): JP 99375208 A 19991228  
IPC: \* G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3097917 B2 20001010  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI; GOTO YOSHITOSHI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): JP 99375209 A 19991228  
IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10; G11B-020/12  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3109552 B2 20001120  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): JP 9368545 A 19930326  
IPC: \* H04J-011/00; H04L-027/36; H04L-027/38; H04N-005/40; H04N-007/015; H04N-007/20; H04N-011/04  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3111776 B2 20001127  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): JP 93261611 A 19930924  
IPC: \* H04J-011/00  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3112012 B2 20001127  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP

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Applie (No,Kind,Date): JP 99289582 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3112013 B2 20001127  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): JP 99289583 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3112014 B2 20001127  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): JP 99289586 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3114727 B2 20001204  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): JP 99289584 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3114728 B2 20001204  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): JP 99289585 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3143454 B2 20010307  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): JP 2000275439 A 20000101  
IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3143455 B2 20010307  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): JP 2000275440 A 20000101  
IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 161051 B1 19990115  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applie (No,Kind,Date): KR 946012 A 19940325  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Korean

Patent (No,Kind,Date): KR 195398 B1 19990615  
RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP);  
USIGOME HISASI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119

Applc (No,Kind,Date): KR 941111 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Korean

Patent (No,Kind,Date): KR 217013 B1 19991001  
RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZU RYOOSKI (JP); KOUDO  
DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA  
MICHIRO (JP); DAN SADOSHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119

Applc (No,Kind,Date): KR 941112 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Korean

Patent (No,Kind,Date): KR 237555 B1 20000201  
RECORDING/REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A  
19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP  
94156089 A 19940707

Applc (No,Kind,Date): KR 9418308 A 19940727  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451  
Language of Document: Korean

Patent (No,Kind,Date): KR 9602468 B1 19960217  
TRANSMITTER (English)

Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)  
Author (Inventor): OOSIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applc (No,Kind,Date): KR 934766 A 19930326  
IPC: \* H04L-027/36  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: Korean

Patent (No,Kind,Date): KR 9602703 B1 19960224  
SIGNAL TRANSMISSION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723

Applc (No,Kind,Date): KR 924913 A 19920326  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 92-325674  
JAPIO Reference No: \* 180152E000002  
Language of Document: Korean

#### SINGAPORE (SG)

Patent (No,Kind,Date): SG 5400982 A1 19981221  
RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU;

YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): SG 9502048 A 19940119  
IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02  
; G11B-023/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): SG 7100102 A1 20000321  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): SG 9800735 A 19940119  
IPC: \* G11B-019/02; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): SG 7100103 A1 20000321  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): SG 9800736 A 19940119  
IPC: \* G11B-019/02; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English

UNITED STATES OF AMERICA (US)  
Patent (No,Kind,Date): US 5473584 A 19951205  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A  
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2  
19940121; US 9709 A2 19930127  
Applic (No,Kind,Date): US 281337 A 19940727  
National Class: \* 369032000; 369047000; 369054000  
IPC: \* G11B-017/22  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
96-062972; G 98-181451; G 01-018026  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): US 5526328 A 19960611  
RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN  
DIFFERENT TRACKS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MICHIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A  
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP

9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US  
9709 A2 19930127

Applic (No,Kind,Date): US 184117 A 19940121

National Class: \* 369013000; 369032000

IPC: \* G11B-011/00

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G  
01-018026

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5555275 A 19960910

MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM  
Multi-threshold and hierarchical television signal transmission  
system (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1  
19920325

Applic (No,Kind,Date): US 417269 A 19950405

National Class: \* 375261000; 375298000; 375324000; 332103000;  
329304000; 348724000; 348726000

IPC: \* H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5600672 A 19970204

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)

Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A  
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP  
9479668 A 19940324; US 857627 A2 19920325

Applic (No,Kind,Date): US 240521 A 19940510

National Class: \* 375219000; 375270000; 375301000; 375321000

IPC: \* H04L-005/16; H04B-001/38

Derwent WPI Acc No: \* G 92-325674; G 94-103292; G 94-311606; G  
94-342258; G 95-387959; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5682360 A 19971028

RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM  
HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A  
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP  
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A  
19920925

Applic (No,Kind,Date): US 9709 A 19930127

National Class: \* 369013000; 360059000; 360114000

IPC: \* G11B-011/00; G11B-005/127

Derwent WPI Acc No: \* G 93-251292; G 93-313529

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5699331 A 19971216

APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL  
INFORMATION OF A SECRET CODE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A  
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3  
19940727; US 184117 A2 19940121; US 9709 A2 19930127  
Applc (No,Kind,Date): US 534771 A 19950927  
Addnl Info: 5473584 Patented; 5526328 Patented  
National Class: \* 369032000; 369047000; 369054000  
IPC: \* G11B-017/22  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
96-062972; G 98-181451; G 01-018026  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): US 5761301 A 19980602  
MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,  
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL  
DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202; JP 95261247 A 19951009  
Applc (No,Kind,Date): US 560015 A 19951117  
National Class: \* 380004000; 369272000; 235494000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 5802241 A 19980901  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP  
93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A  
19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108  
A2 19930325  
Applc (No,Kind,Date): US 706376 A 19960830  
National Class: \* 386046000; 348723000  
IPC: \* H04N-005/91; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): US 5805551 A 19980908  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3  
19950418; US 281337 A2 19940727  
Applc (No,Kind,Date): US 845794 A 19970425  
Addnl Info: 5473584 19951205 Patented  
National Class: \* 369059000; 369047000; 369048000; 369058000;  
360048000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785; G 01-018026  
Language of Document: English

Patent (No,Kind,Date): US 5807640 A 19980915  
OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING  
OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND  
METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A  
19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP  
94299508 A 19941202; WO 94JP2304 W 19941228  
Applic (No,Kind,Date): US 507495 A 19950828  
National Class: \* 428064100; 428064200; 428064400; 428913000;  
369275100; 369284000  
IPC: \* B32B-003/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
01-018026  
Language of Document: English  
Patent (No,Kind,Date): US 5819000 A 19981006  
MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): US 37108 A 19930325  
National Class: \* 386046000; 348723000  
IPC: \* H04N-005/91; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): US 5881038 A 19990309  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2  
19940727  
Applic (No,Kind,Date): US 423668 A 19950418  
National Class: \* 369059000; 369084000; 369058000; 369054000;  
369047000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): US 5892879 A 19990406  
COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP  
93132984 A 19930510; US 37108 A2 19930325  
Applic (No,Kind,Date): US 126589 A 19930927  
National Class: \* 386046000; 348726000  
IPC: \* H04N-005/91; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
00-589077; G 00-589078; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): US 5959948 A 19990928  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A

19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A 19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applc (No,Kind,Date): US 970162 A 19971113

Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented

National Class: \* 369032000; 369047000; 369054000

IPC: \* G11B-017/22

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5999569 A 19991207

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A 19920326; JP 92256070 A 19920925; US 37108 A3 19930325

Applc (No,Kind,Date): US 61979 A 19980417

Addnl Info: 5819000 Patented

National Class: \* 375265000; 348608000; 348607000; 348726000

IPC: \* H04L-027/28; H04L-005/12; H04L-023/02

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 6049651 A 20000411

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US 126589 A3 19930927; US 37108 A1 19930325

Applc (No,Kind,Date): US 64147 A 19980422

Addnl Info: 5892879 Patented; 5819000 Patented

National Class: \* 386046000; 386123000; 348726000

IPC: \* H04N-005/91; H04N-007/015; H04N-005/38

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 6052465 A 20000418

OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applc (No,Kind,Date): US 649411 A 19960516

National Class: \* 380004000

IPC: \* H04L-009/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6081785 A 20000627

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION

SYSTEM AND PROGRAM LICENSE SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008  
Applc (No,Kind,Date): US 849468 A 19970609  
National Class: \* 705001000; 380201000; 369272000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6122373 A 20000919  
OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 404506 A 19990923  
National Class: \* 380004000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6125181 A 20000926  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 404639 A 19990923  
National Class: \* 380002000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6128388 A 20001003  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 401114 A 19990922  
National Class: \* 380059000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6141419 A 20001031  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
Applc (No,Kind,Date): US 441338 A 19991116

National Class: \* 380004000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6144742 A 20001107  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3  
19960516  
Applie (No,Kind,Date): US 401669 A 19990922  
Addnl Info: 6052465 Patented  
National Class: \* 380004000  
IPC: \* H04L-009/00  
Language of Document: English  
Patent (No,Kind,Date): US 6160888 A 20001212  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 441337 A 19991116; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A1 19960516  
Applie (No,Kind,Date): US 441337 A 19991116  
National Class: \* 380203000; 380201000; 713193000; 705051000;  
705057000  
IPC: \* H04N-007/167  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6175629 BA 20010116  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 441357 A 19991116; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A1 19960516  
Applie (No,Kind,Date): US 441357 A 19991116  
National Class: \* 380203000; 380201000; 713193000; 705051000;  
705057000  
IPC: \* H04N-007/167  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6208736 BA 20010327  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 441021 A 19991116; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A1 19960516  
Applie (No,Kind,Date): US 441021 A 19991116  
National Class: \* 380203000; 380201000; 713193000; 705051000;  
705057000  
IPC: \* H04N-007/167  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6229896 BA 20010508

OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): US 440782 A 19991116; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A1 19960516

Applc (No,Kind,Date): US 440782 A 19991116

National Class: \* 380203000; 380201000; 713193000; 705051000; 705057000

IPC: \* H04N-007/167

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6243330 BA 20010605

MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT INFORMATION (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 305318 A 19990505; JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 93205682 A 19930727; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP 94156089 A 19940707; US 970162 A3 19971113; US 534771 A1 19950927; US 281337 A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applc (No,Kind,Date): US 305318 A 19990505

Addnl Info: 5959948 Patented; 5699331 Patented; 5473584 Patented; 5526328 Patented; 5682360 Patented

National Class: \* 369032000; 369047100; 369053110

IPC: \* G11B-017/22

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 95507495 A 19950828 US REFW CORRESPONDS TO PCT APPLICATION (ENTSPRICH PCT ANMELDUNG)  
WO 9518443 P

US 97849468 A 19970609 US REFW CORRESPONDS TO PCT APPLICATION (ENTSPRICH PCT ANMELDUNG)  
WO 9714144 P

US 5473584 P 19920129 US AA PRIORITY (PATENT)  
JP 9213809 A 19920129

US 5473584 P 19920228 US AA PRIORITY (PATENT)  
JP 9242558 A 19920228

US 5473584 P 19920309 US AA PRIORITY (PATENT)  
JP 9250328 A 19920309

US 5473584 P 19920326 US AA PRIORITY (PATENT)  
JP 9268031 A 19920326

US 5473584 P 19920430 US AA PRIORITY (PATENT)  
JP 92111176 A 19920430

US 5473584 P 19920722 US AA PRIORITY (PATENT)  
JP 92194450 A 19920722

US 5473584 P 19920925 US AA PRIORITY (PATENT)  
JP 92280874 A 19920925

US 5473584 P 19930121 US AA PRIORITY (PATENT)  
JP 938596 A 19930121

US 5473584 P 19930127 US AA PRIORITY  
US 9709 A2 19930127

US 5473584 P 19930325 US AA PRIORITY (PATENT)

US 5473584	P	JP 9392219 A	19930325
		JP 9392219 US AA	PRIORITY (PATENT)
US 5473584	P	JP 93107423 A	19930409
		JP 93107423 US AA	PRIORITY (PATENT)
US 5473584	P	JP 93205682 A	19930727
		JP 93205682 US AA	PRIORITY (PATENT)
US 5473584	P	JP 93297504 A	19931102
		JP 93297504 US AA	PRIORITY (PATENT)
US 5473584	P	JP 93314114 A	19931119
		JP 93314114 US AA	PRIORITY (PATENT)
US 5473584	P	19940121 US AA	PRIORITY
		US 184117 A2	19940121
US 5473584	P	19940418 US AA	PRIORITY (PATENT)
		JP 94104879 A	19940418
US 5473584	P	19940707 US AA	PRIORITY (PATENT)
		JP 94156089 A	19940707
US 5473584	P	19940727 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 281337 A	19940727
US 5473584	P	19941207 US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST	
		MATSUSHITA ELECTRIC IDNUSTRICAL CO., LTD.	
		1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ;	
		OSHIMA, MITSUAKI : 19940906	
US 5473584	P	19951205 US A	PATENT
US 5526328	P	19920129 US AA	PRIORITY (PATENT)
		JP 9213809 A	19920129
US 5526328	P	19920228 US AA	PRIORITY (PATENT)
		JP 9242558 A	19920228
US 5526328	P	19920309 US AA	PRIORITY (PATENT)
		JP 9250328 A	19920309
US 5526328	P	19920326 US AA	PRIORITY (PATENT)
		JP 9268031 A	19920326
US 5526328	P	19920430 US AA	PRIORITY (PATENT)
		JP 92111176 A	19920430
US 5526328	P	19920722 US AA	PRIORITY (PATENT)
		JP 92194450 A	19920722
US 5526328	P	19920925 US AA	PRIORITY (PATENT)
		JP 92280874 A	19920925
US 5526328	P	19930121 US AA	PRIORITY (PATENT)
		JP 938596 A	19930121
US 5526328	P	19930127 US AA	PRIORITY
		US 9709 A2	19930127
US 5526328	P	19930325 US AA	PRIORITY (PATENT)
		JP 9392219 A	19930325
US 5526328	P	19930409 US AA	PRIORITY (PATENT)
		JP 93107423 A	19930409
US 5526328	P	19930727 US AA	PRIORITY (PATENT)
		JP 93205682 A	19930727
US 5526328	P	19931102 US AA	PRIORITY (PATENT)
		JP 93297504 A	19931102
US 5526328	P	19931119 US AA	PRIORITY (PATENT)
		JP 93314114 A	19931119
US 5526328	P	19940121 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 184117 A	19940121
US 5526328	P	19940822 US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST	
		MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;	
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE	
		: 19940317; KOUDO, TOSHIKAZU : 19940317;	
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;	
US 5526328	P	19950516 US AS28	CORRECTED ASSIGNMENT
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
		KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ;	
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE	
		: 19940317; KOUDO, TOSHIKAZU : 19940317;	
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;	

US 5526328	P	19960611	US A	PATENT
US 5555275	P	19910327	US AA	PRIORITY (PATENT)
		JP 9162798	A	19910327
US 5555275	P	19910425	US AA	PRIORITY (PATENT)
		JP 9195813	A	19910425
US 5555275	P	19910529	US AA	PRIORITY (PATENT)
		JP 91155650	A	19910529
US 5555275	P	19910723	US AA	PRIORITY (PATENT)
		JP 91182236	A	19910723
US 5555275	P	19920317	US AA	PRIORITY (PATENT)
		JP 9260739	A	19920317
US 5555275	P	19920325	US AA	PRIORITY
		US 857627	B1	19920325
US 5555275	P	19950405	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 417269	A	19950405
US 5555275	P	19960910	US A	PATENT
US 5600672	P	19910327	US AA	PRIORITY (PATENT)
		JP 9162798	A	19910327
US 5600672	P	19910425	US AA	PRIORITY (PATENT)
		JP 9195813	A	19910425
US 5600672	P	19910529	US AA	PRIORITY (PATENT)
		JP 91155650	A	19910529
US 5600672	P	19910723	US AA	PRIORITY (PATENT)
		JP 91182236	A	19910723
US 5600672	P	19920317	US AA	PRIORITY (PATENT)
		JP 9260739	A	19920317
US 5600672	P	19920325	US AA	PRIORITY
		US 857627	A2	19920325
US 5600672	P	19930510	US AA	PRIORITY (PATENT)
		JP 93132984	A	19930510
US 5600672	P	19930924	US AA	PRIORITY (PATENT)
		JP 93261612	A	19930924
US 5600672	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5600672	P	19940324	US AA	PRIORITY (PATENT)
		JP 9479668	A	19940324
US 5600672	P	19940510	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 240521	A	19940510
US 5600672	P	19961010	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, KADOMA OSAKA, JAPAN 571 ; OSHIMA,		
		MITSUAKI : 19960910; SAKASHITA, SEIJI :		
		19960910		
US 5600672	P	19970204	US A	PATENT
US 5600672	P	19990420	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		19990204		
US 5600672	P	20001114	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20000915		
US 5600672	P	20001128	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001012		
US 5600672	P	20001226	US RF	REISSUE APPLICATION FILED (
		(REISSUE APPL. FILED)		
		20001005		
US 5600672	P	20010102	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001012		
US 5600672	P	20010130	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001012		
US 5600672	P	20010213	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20000929		

US 5600672	P	20010313	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
				20000925
US 5600672	P	20010403	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
				20000925
US 5600672	P	20010501	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
				20000929
US 5600672	P	20010522	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
				20001005
US 5600672	P	20010605	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
				20001005
US 5682360	P	19920129	US AA	PRIORITY (PATENT)
			JP 9213809 A	19920129
US 5682360	P	19920228	US AA	PRIORITY (PATENT)
			JP 9242558 A	19920228
US 5682360	P	19920309	US AA	PRIORITY (PATENT)
			JP 9250328 A	19920309
US 5682360	P	19920326	US AA	PRIORITY (PATENT)
			JP 9268031 A	19920326
US 5682360	P	19920430	US AA	PRIORITY (PATENT)
			JP 92111176 A	19920430
US 5682360	P	19920722	US AA	PRIORITY (PATENT)
			JP 92194450 A	19920722
US 5682360	P	19920925	US AA	PRIORITY (PATENT)
			JP 92280874 A	19920925
US 5682360	P	19930127	US AE	APPLICATION DATA (PATENT) (
			APPL. DATA (PATENT))	
			US 9709 A	19930127
US 5682360	P	19930302	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
			1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;	
			OSHIMA, MITSUAKI : 19930122	
US 5682360	P	19971028	US A	PATENT
US 5699331	P	19920129	US AA	PRIORITY (PATENT)
			JP 9213809 A	19920129
US 5699331	P	19920228	US AA	PRIORITY (PATENT)
			JP 9242558 A	19920228
US 5699331	P	19920309	US AA	PRIORITY (PATENT)
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			JP 9268031 A	19920326
US 5699331	P	19920430	US AA	PRIORITY (PATENT)
			JP 92111176 A	19920430
US 5699331	P	19920722	US AA	PRIORITY (PATENT)
			JP 92194450 A	19920722
US 5699331	P	19920925	US AA	PRIORITY (PATENT)
			JP 92280874 A	19920925
US 5699331	P	19930121	US AA	PRIORITY (PATENT)
			JP 938596 A	19930121
US 5699331	P	19930127	US AA	PRIORITY
			US 9709 A2	19930127
US 5699331	P	19930325	US AA	PRIORITY (PATENT)
			JP 9392219 A	19930325
US 5699331	P	19930409	US AA	PRIORITY (PATENT)
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US 5699331	P	19930727	US AA	PRIORITY (PATENT)
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			JP 93314114 A	19931119
US 5699331	P	19940121	US AA	PRIORITY
			US 184117 A2	19940121

US 5699331	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5699331	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5699331	P	19940727	US AA	PRIORITY
		US 281337	A3	19940727
US 5699331	P	19950927	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 534771	A	19950927
US 5699331	P	19971216	US A	PATENT
US 5761301	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5761301	P	19950202	US AA	PRIORITY (PATENT)
		JP 9516153	A	19950202
US 5761301	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 5761301	P	19951117	US AE	APPLICATION DATA (PATENT)
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		US 560015	A	19951117
US 5761301	P	19960410	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006,		
		OAZA KADOMA, KADOMA-SHI OSAKA, JAP ; OSHIMA,		
		MITSUAKI : 19960220; GOTOH, YOSHIHO :		
		19960220		
US 5761301	P	19980602	US A	PATENT
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US 5802241	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5802241	P	19930325	US AA	PRIORITY (PATENT)
		JP 9366461	A	19930325
US 5802241	P	19930325	US AA	PRIORITY
		US 37108	A2	19930325
US 5802241	P	19930510	US AA	PRIORITY (PATENT)
		JP 93132984	A	19930510
US 5802241	P	19930924	US AA	PRIORITY (PATENT)
		JP 93261612	A	19930924
US 5802241	P	19930927	US AA	PRIORITY
		US 126589	A2	19930927
US 5802241	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5802241	P	19940325	US AA	PRIORITY
		US 217895	B1	19940325
US 5802241	P	19960830	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 706376	A	19960830
US 5802241	P	19980901	US A	PATENT
US 5802241	P	20001226	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001030		
US 5802241	P	20010102	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20000831		
US 5802241	P	20010403	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001030		
US 5805551	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5805551	P	19940727	US AA	PRIORITY
		US 281337	A2	19940727
US 5805551	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5805551	P	19941228	US AA	PRIORITY (PATENT)
		JP 94327963	A	19941228

US 5805551	P	19950201	US AA	PRIORITY (PATENT)
		JP 9515318	A	19950201
US 5805551	P	19950203	US AA	PRIORITY (PATENT)
		JP 9516865	A	19950203
US 5805551	P	19950418	US AA	PRIORITY
		US 423668	A3	19950418
US 5805551	P	19970425	US AE	APPLICATION DATA (PATENT) (
		APPL. DATA (PATENT))		
		US 845794	A	19970425
US 5805551	P	19980908	US A	PATENT
US 5807640	P	19931228	US AA	PRIORITY (PATENT)
		JP 93335165	A	19931228
US 5807640	P	19940120	US AA	PRIORITY (PATENT)
		JP 9422191	A	19940120
US 5807640	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5807640	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5807640	P	19941202	US AA	PRIORITY (PATENT)
		JP 94299508	A	19941202
US 5807640	P	19941228	US AA	PCT-APPLICATION (PCT-APPL.)
		WO 94JP2304	W	19941228
US 5807640	P	19950828	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 507495	A	19950828
US 5807640	P	19950828	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		1006
		OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,		
		FUMIAKI : 19950801; OSHIMA, MITSUAKI :		
		19950801		
US 5807640	P	19980915	US A	PATENT
US 5819000	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5819000	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5819000	P	19930325	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 37108	A	19930325
US 5819000	P	19930608	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19930413		
US 5819000	P	19981006	US A	PATENT
US 5819000	P	19990914	US CC	CERTIFICATE OF CORRECTION
US 5881038	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5881038	P	19940727	US AA	PRIORITY
		US 281337	A2	19940727
US 5881038	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5881038	P	19941228	US AA	PRIORITY (PATENT)
		JP 94327963	A	19941228
US 5881038	P	19950201	US AA	PRIORITY (PATENT)
		JP 9515318	A	19950201
US 5881038	P	19950203	US AA	PRIORITY (PATENT)
		JP 9516865	A	19950203
US 5881038	P	19950418	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 423668	A	19950418
US 5881038	P	19951004	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		1006
		OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA,		
		MITSUAKI : 19950412; GOTOH, YOSHIHO :		
		19950412		
US 5881038	P	19990309	US A	PATENT

US 5881038 P 20000125 US CC CERTIFICATE OF CORRECTION  
 US 5892879 P 19920326 US AA PRIORITY (PATENT)  
                   JP 9267934 A 19920326  
 US 5892879 P 19920925 US AA PRIORITY (PATENT)  
                   JP 92256070 A 19920925  
 US 5892879 P 19930325 US AA PRIORITY (PATENT)  
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 US 5892879 P 19930325 US AA PRIORITY  
                   US 37108 A2 19930325  
 US 5892879 P 19930510 US AA PRIORITY (PATENT)  
                   JP 93132984 A 19930510  
 US 5892879 P 19930927 US AE APPLICATION DATA (PATENT)  
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                   US 126589 A 19930927  
 US 5892879 P 19940106 US AS02 ASSIGNMENT OF ASSIGNOR'S  
                   INTEREST  
                   MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
                   1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;  
                   OSHIMA, MITSUAKI : 19931013  
 US 5892879 P 19990406 US A PRIORITY  
 US 5959948 P 19920129 US AA PRIORITY (PATENT)  
                   JP 9213809 A 19920129  
 US 5959948 P 19920228 US AA PRIORITY (PATENT)  
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 US 5959948 P 19920430 US AA PRIORITY (PATENT)  
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                   JP 92280874 A 19920925  
 US 5959948 P 19930121 US AA PRIORITY (PATENT)  
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 US 5959948 P 19931227 US AA PRIORITY (PATENT)  
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 US 5959948 P 19940121 US AA PRIORITY  
                   US 184117 A2 19940121  
 US 5959948 P 19940418 US AA PRIORITY (PATENT)  
                   JP 94104879 A 19940418  
 US 5959948 P 19940707 US AA PRIORITY (PATENT)  
                   JP 94156089 A 19940707  
 US 5959948 P 19940727 US AA PRIORITY  
                   US 281337 A3 19940727  
 US 5959948 P 19950927 US AA PRIORITY  
                   US 534771 A1 19950927  
 US 5959948 P 19971113 US AE APPLICATION DATA (PATENT)  
                   (APPL. DATA (PATENT))  
                   US 970162 A 19971113  
 US 5959948 P 19990928 US A PRIORITY  
 US 5959948 P 20001114 US CC CERTIFICATE OF CORRECTION  
 US 5999569 P 19920326 US AA PRIORITY (PATENT)  
                   JP 9267934 A 19920326  
 US 5999569 P 19920925 US AA PRIORITY (PATENT)

US 5999569	P	JP 92256070 A 19920925
		US AA PRIORITY
US 5999569	P	US 37108 A3 19930325
		APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))
US 5999569	P	US 61979 A 19980417
US 6049651	P	19991207 US A PATENT
US 6049651	P	19920326 US AA PRIORITY (PATENT)
		JP 9267934 A 19920326
US 6049651	P	19920925 US AA PRIORITY (PATENT)
		JP 92256070 A 19920925
US 6049651	P	19930325 US AA PRIORITY (PATENT)
		JP 9366461 A 19930325
US 6049651	P	19930325 US AA PRIORITY
		US 37108 A1 19930325
US 6049651	P	19930927 US AA PRIORITY
		US 126589 A3 19930927
US 6049651	P	19980422 US AE APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))
		US 64147 A 19980422
US 6049651	P	20000411 US A PATENT
US 6049651	P	20010403 US CC CERTIFICATE OF CORRECTION
US 6052465	P	19951009 US AA PRIORITY (PATENT)
		JP 95261247 A 19951009
US 6052465	P	19960123 US AA PRIORITY (PATENT)
		JP 968910 A 19960123
US 6052465	P	19960516 US AE APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))
		US 649411 A 19960516
US 6052465	P	20000418 US A PATENT
US 6081785	P	19951009 US AA PRIORITY (PATENT)
		JP 95261247 A 19951009
US 6081785	P	19960123 US AA PRIORITY (PATENT)
		JP 968910 A 19960123
US 6081785	P	19960809 US AA PRIORITY (PATENT)
		JP 96211304 A 19960809
US 6081785	P	19961008 US AA PCT-APPLICATION (PCT-APPL.)
		WO 96JP2924 W 19961008
US 6081785	P	19970609 US AE APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))
		US 849468 A 19970609
US 6081785	P	20000627 US A PATENT
US 6122373	P	19951009 US AA PRIORITY (PATENT)
		JP 95261247 A 19951009
US 6122373	P	19960123 US AA PRIORITY (PATENT)
		JP 968910 A 19960123
US 6122373	P	19960516 US AA PRIORITY
		US 649411 A3 19960516
US 6122373	P	19990923 US AE APPLICATION DATA (PATENT)
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		US 404506 A 19990923
US 6122373	P	20000919 US A PATENT
US 6125181	P	19951009 US AA PRIORITY (PATENT)
		JP 95261247 A 19951009
US 6125181	P	19960123 US AA PRIORITY (PATENT)
		JP 968910 A 19960123
US 6125181	P	19960516 US AA PRIORITY
		US 649411 A3 19960516
US 6125181	P	19990923 US AE APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))
		US 404639 A 19990923
US 6125181	P	20000926 US A PATENT
US 6128388	P	19951009 US AA PRIORITY (PATENT)
		JP 95261247 A 19951009
US 6128388	P	19960123 US AA PRIORITY (PATENT)
		JP 968910 A 19960123
US 6128388	P	19960516 US AA PRIORITY

US 6128388	P	US 649411 A3 19960516	
		19990922 US AE APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))	
		US 401114 A 19990922	
US 6128388	P	20001003 US A	PATENT
US 6141419	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A 19951009	
US 6141419	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A 19960123	
US 6141419	P	19960516 US AA	PRIORITY
		US 649411 A1 19960516	
US 6141419	P	19991116 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 441338 A 19991116	
US 6141419	P	20001031 US A	PATENT
US 6144742	P	19960516 US AA	PRIORITY
		US 649411 A3 19960516	
US 6144742	P	19990922 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 401669 A 19990922	
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US 6160888	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A 19951009	
US 6160888	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A 19960123	
US 6160888	P	19960516 US AA	PRIORITY
		US 649411 A1 19960516	
US 6160888	P	19991116 US AE	APPLICATION DATA (PATENT)
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		US 441337 A 19991116	
US 6160888	P	20001212 US A	PATENT
US 6175629	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A 19951009	
US 6175629	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A 19960123	
US 6175629	P	19960516 US AA	PRIORITY
		US 649411 A1 19960516	
US 6175629	P	19991116 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 441357 A 19991116	
US 6175629	P	20010116 US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6208736	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A 19951009	
US 6208736	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A 19960123	
US 6208736	P	19960516 US AA	PRIORITY (CONTINUATION)
		US 649411 A1 19960516	
US 6208736	P	19991116 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 441021 A 19991116	
US 6208736	P	20010327 US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6229896	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A 19951009	
US 6229896	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A 19960123	
US 6229896	P	19960516 US AA	PRIORITY (CONTINUATION)
		US 649411 A1 19960516	
US 6229896	P	19991116 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 440782 A 19991116	
US 6229896	P	20010508 US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6243330	P	19920129 US AA	PRIORITY (PATENT)
		JP 9213809 A 19920129	
US 6243330	P	19920228 US AA	PRIORITY (PATENT)
		JP 9242558 A 19920228	

US 6243330	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 6243330	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326
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		JP 92111176	A	19920430
US 6243330	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 6243330	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
US 6243330	P	19930121	US AA	PRIORITY (PATENT)
		JP 938596	A	19930121
US 6243330	P	19930127	US AA	PRIORITY (CONTINUATION IN PART)
		US 9709	A2	19930127
US 6243330	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 6243330	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 6243330	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 6243330	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 6243330	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 6243330	P	19940121	US AA	PRIORITY (CONTINUATION IN PART)
		US 184117	A2	19940121
US 6243330	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 6243330	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 6243330	P	19940727	US AA	PRIORITY (DIVISION)
		US 281337	A3	19940727
US 6243330	P	19950927	US AA	PRIORITY (CONTINUATION)
		US 534771	A1	19950927
US 6243330	P	19971113	US AA	PRIORITY (DIVISION)
		US 970162	A3	19971113
US 6243330	P	19990505	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 305318	A	19990505
US 6243330	P	20010605	US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9518443 A1 19950706

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): WO 94JP2304 A 19941228

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026; G 95-246541

Language of Document: Japanese

Patent (No,Kind,Date): WO 9528704 A1 19951026

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO  
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203  
Applic (No,Kind,Date): WO 95JP760 A 19950418  
Designated States: (National) CN; KR (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
Filing Details: WO 120000 With international search report; With amended claims and statement  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06 ; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026; G 95-373939  
Language of Document: Japanese  
Patent (No,Kind,Date): WO 9616401 A1 19960530  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): WO 95JP2339 A 19951116  
Designated States: (National) CN; JP; KR; MX (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
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Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G 97-236119; G 96-268785  
Language of Document: Japanese  
Patent (No,Kind,Date): WO 9714144 A1 19970417  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): WO 96JP2924 A 19961008  
Designated States: (National) CN; JP; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
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Language of Document: Japanese  
Patent (No,Kind,Date): WO 9714146 A1 19970417  
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSUROU  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
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Filing Details: WO 100000 With international search report  
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Patent (No,Kind,Date): WO 9827553 A1 19980625  
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applc (No,Kind,Date): WO 97JP4664 A 19971217

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Language of Document: Japanese

#### WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

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WO 9518443	P	19931228	WO AA	PRIORITY (PATENT)
			JP 93335165 A	19931228
WO 9518443	P	19940120	WO AA	PRIORITY (PATENT)
			JP 9422191 A	19940120
WO 9518443	P	19940418	WO AA	PRIORITY (PATENT)
			JP 94104879 A	19940418
WO 9518443	P	19940707	WO AA	PRIORITY (PATENT)
			JP 94156089 A	19940707
WO 9518443	P	19941202	WO AA	PRIORITY (PATENT)
			JP 94299508 A	19941202
WO 9518443	P	19941228	WO AE	APPLICATION DATA (APPL. DATA)
			WO 94JP2304 A	19941228
WO 9518443	P	19950706	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
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WO 9518443	P	19950706	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
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WO 9518443	P	19950706	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9518443	P	19950828	WO ENP	ENTRY INTO THE NATIONAL PHASE IN:
			US 507495 A	19950828
WO 9518443	P	19950920	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9528704	P	19940418	WO AA	PRIORITY (PATENT)
			JP 94104879 A	19940418
WO 9528704	P	19941117	WO AA	PRIORITY (PATENT)
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WO 9528704 P 19950203 WO AA JP 9516865 A PRIORITY (PATENT)

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Communication system

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CORE TERMS: stream, digital, carrier, transmitter, video, reproduced, decoder, channel, input, multi-level...

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: ALL**

5802241 OR 5,802,241

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

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5802241 OR 5,802,241

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

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1/5 LGST (1/1) - (C) LEGSTAT  
PN - US 5802241 [US5802241]  
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DT - US-P  
ACT - 19960830 US/AE-A  
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- 19980901 US/A  
PATENT  
- 20001226 US/RF  
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20001030  
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PN - 5,802,241 A 19980901 [US5802241]  
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AN - 200114-001929  
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DT - A (UTILITY)  
OG - 2001-01-02  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED

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PN - 5802241 A [US5802241]  
DT - A (UTILITY)  
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CO - REA  
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